

[54] **CURSOR CONTROL DEVICE FOR USE WITH DISPLAY SYSTEMS**

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[21] Appl. No.: 399,704

[22] Filed: Jul. 19, 1982

[51] Int. Cl.<sup>3</sup> ..... G09G 1/00

[52] U.S. Cl. .... 340/710; 340/709;  
340/716; 74/471 XY

[58] Field of Search ..... 340/710, 709, 809, 810,  
340/870.28, 870.29, 711, 716; 250/231 SE;  
74/198, 471 XY; 358/183

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**ABSTRACT**

A cursor control device having particular application to a computer display system is disclosed. The cursor control includes a unitary frame, having a domed portion substantially surrounding and retaining a ball which is free to rotate. X-Y position indicating means are provided, such that rotation of the ball provides signals indicative of X-Y positions on the display system. The ball is free to "float" in the vertical direction within the dome, and thereby maintain good surface contact. X-Y positions are established by movement of the control device over a surface. A display system and method is disclosed for use in conjunction with the cursor control device, which permits a user to select command options simply by movement of the displayed cursor over a "pull-down" menu bar.

**13 Claims, 15 Drawing Figures**

